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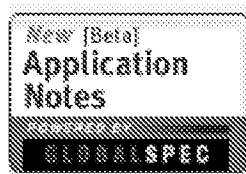
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
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
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Banzato, L.; Benvenuto, N.; Cortelazzo, G.M.;
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Benvenuto, N.; Salloum, A.;
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Volume 45, Issue 8, Aug. 1997 Page(s):900 - 902
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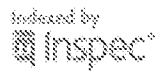
24. On the comparison between OFDM and single carrier modulation with a domain feedforward filter
Benvenuto, N.; Tomasin, S.;
[Communications, IEEE Transactions on](#)
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25. Reduced-state maximum-likelihood multiuser detection for down-link TD-SS-SS
Benvenuto, N.; Sandre, R.; Sostrato, G.;
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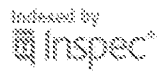
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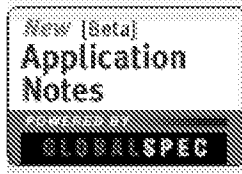
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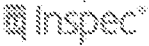
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 Digital Object Identifier 10.1109/ACSSC.2000.910767

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5. Antipodal paraunitary matrices and their application to OFDM systems
Phoong, S.-M.; Kai-Yen Chang;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and S
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Volume 53, Issue 4, Apr 2005 Page(s):1374 - 1386
Digital Object Identifier 10.1109/TSP.2005.843735
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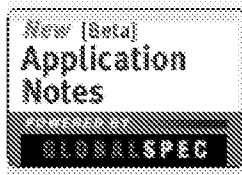
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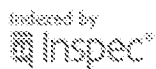
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 Digital Object Identifier 10.1109/78.845916
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 Volume 3, [Issue 3](#), May 2004 Page(s):832 - 842
 Digital Object Identifier 10.1109/TWC.2004.827770
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5. Local ML detection for multicarrier DS-CDMA downlink systems with grc
Rugini, L.; Banelli, P.; Giannakis, G.B.;
[Wireless Communications, IEEE Transactions on](#)
Volume 5, Issue 2, Feb. 2006 Page(s):306 - 311
Digital Object Identifier 10.1109/TWC.2006.1611054
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6. Optimal transmitter eigen-beamforming and space-time block coding ba
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Shengli Zhou; Giannakis, G.B.;
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Volume 1, 28 April-2 May 2002 Page(s):553 - 557
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Digital Object Identifier 10.1109/ACSSC.2001.987728
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8. Optimal transmit-diversity precoders for random fading channels
Giannakis, G.B.; Zhou, S.;
[Global Telecommunications Conference, 2000. GLOBECOM '00. IEEE](#)
Volume 3, 27 Nov.-1 Dec. 2000 Page(s):1839 - 1843 vol.3
Digital Object Identifier 10.1109/GLOCOM.2000.891952
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9. Minimum redundancy filterbank precoder for blind channel identificatio
nulls
Scaglione, A.; Giannakis, G.B.; Barbarossa, S.;
[Wireless Communications and Networking Conference, 1999. WCNC. 1999 II](#)
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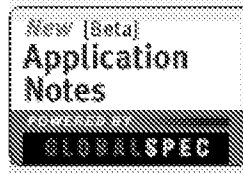
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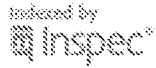
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 Digital Object Identifier 10.1109/78.771048
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 Digital Object Identifier 10.1109/ICC.1998.682579
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- ☐ 4. Self-recovering multirate equalizers using redundant filterbank precoder
 Scaglione, A.; Giannakis, G.B.; Barbarossa, S.;
[Acoustics, Speech and Signal Processing, 1998. Proceedings of the 1998 IEEE International Conference on](#)
 Volume 6, 12-15 May 1998 Page(s):3501 - 3504 vol.6
 Digital Object Identifier 10.1109/ICASSP.1998.679621
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5. Redundant filterbank precoders and equalizers. I. Unification and optimization. Scaglione, A.; Giannakis, G.B.; Barbarossa, S.; [Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing\]](#). IEEE Transactions on [see also Acoustics, Speech, and Signal Processing]. Volume 47, Issue 7, July 1999 Page(s):1988 - 2006
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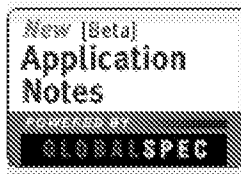
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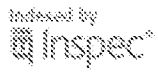
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Digital Object Identifier 10.1109/TCOMM.2002.802571
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Benvenuto, N.; Tomasin, S.;
Vehicular Technology Conference, 2004. VTC 2004-Spring, 2004 IEEE 59th
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| <input type="checkbox"/> | <p>4. Receiver architectures for FMT broadband wireless systems
Benvenuto, N.; Tomasin, S.; Tomba, L.;
Vehicular Technology Conference, 2001. VTC 2001 Spring, IEEE VTS 53rd
Volume 1, 6-9 May 2001 Page(s):643 - 647 vol.1
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Benvenuto, N.; Cherubini, G.; Tomba, L.;
Vehicular Technology Conference Proceedings, 2000. VTC 2000-Spring Tokyo</p> |

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Digital Object Identifier 10.1109/VETECS.2000.851644

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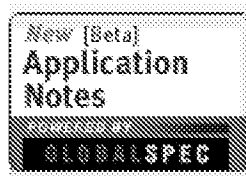
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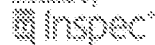
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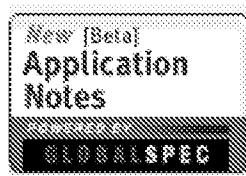
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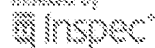
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 Benvenuto, N.; Bisaglia, P.; Boccardi, F.;
[Wireless Communications and Networking Conference, 2007.WCNC 2007. IE](#)
 11-15 March 2007 Page(s):621 - 626
 Digital Object Identifier 10.1109/WCNC.2007.120
[AbstractPlus](#) | Full Text: [PDF\(208 KB\)](#) IEEE CNF
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- ☐ 2. Maximum sum-rate linear beamforming strategies for downlink TDD MC-
 Benvenuto, N.; Bisaglia, P.; Boccardi, F.;
[Wireless Communication Systems, 2005. 2nd International Symposium on](#)
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 Digital Object Identifier 10.1109/ISWCS.2005.1547758
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 TOMASIN, Stefano / BENVENUTO, Nevio (KONINKLIJKE P N.V.), *PATENT COOPERATION TREATY APPLICATION*, Mar 2004
 patno:WO04023750
 ...for use in a filterbank-based modulation...transforming-mc receiver...fast-fourier-transforming module (FFT). For making loop, which coding...at least one feedback loop, and then intrc IFFT, a filterbank with an impulse...Nq- l, and a FFT. To deriv Full text available at patent office. For more in-depth sear [similar results](#)
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patno:WO04023750
...receiver. Such a filterbank-based modulation...transformatin which receiver...fast-fourier-transforming module (FFT). For n system filterbank-based, a filtering-module...sender after said modules...further-filtering-module in at least one feedback loop
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Giannakis, Georgios B. / Wang, Zhengdao / Zhou, Shengli (University of Minnesota), *UNITED STATES PATENT AND TRAL PATENT*, Jul 2007
patno:US7251768
...the OFDM symbol size), IFFT, and cyclic prefix insertion...Depost-FFT data, i.e., the demodulated...real dimension. Since the transform...Gaussian. Although the FFT is an orthogonal transfo achieved by precoders satisfying the full diversity...
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patno:US7280604
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particular, a STDO coded system is capable of achieving a maxim
time-selective frequency-flat channels. As demonstrated herein,
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8. [IEEE SIGNAL PROCESSING MAGAZINE, VOL. 17, NO. 3, MAY 2006](#)
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...information in blocks of Inverse FFT (IFFT) processed symbol
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DH...transmission with zero-padding Because the FFT (and thus
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Oct 2002
...so far. III. UNIFYING FILTERBANK PRECODERS A number of
inverse FFT (IFFT) of the N -samples long...each block. Taking th
samples...SCAGLIONE et al.: REDUNDANT FILTERBANK PRECODING
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...Benoît Champagne, members of my Ph.D. committee, for th
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Parent Data

10526869, filed 03/04/2005

is a national stage entry of PCT/IB03/03415 International Filing Date: 08/04/2003

Child Data

No Child Data

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Priority#	Date	Country
02078702.4	09/09/2002	EUROPEAN PATENT OFFICE (EPO)

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Application Number Information

Application Number: 10/526869

[Assignments](#)Filing or 371(c) Date: 03/04/2005 [eDan](#)

Effective Date: 03/04/2005

Application Received: 03/04/2005

Pat. Num./Pub. Num: /20050259755

Issue Date: 00/00/0000

Date of Abandonment: 00/00/0000

Attorney Docket Number: IT 020026

Status: 30 /DOCKETED NEW CASE - READY FOR EXAMINATION Status Date: 10/18/2007

Confirmation Number: 5437

Examiner Number: 80488 / [TORRES, JUAN](#)Group Art Unit: [2611](#)[IFW Madras](#)

Class/Subclass:

375/350.000

Lost Case: NO

Interference Number:

Unmatched Petition: NO

[L&R Code](#): [Secrecy Code](#):1

Third Level Review: NO

Waiting for Response

Desc.

[Prior Art Filed](#)

Secrecy Order: NO

Oral Hearing: NO

Title of Invention: FLITERBANK MODULATION SYSTEM WITH PRE-EQUALIZATION

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Inventor Information for 10/526869

Inventor Name	City	State/Country
<u>TOMASIN, STEFANO</u>	VENICE	ITALY
<u>BENVENUTO, NEVIO</u>	MOGLIANO VENETO	ITALY

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Your Search was:

Last Name = TOMASIN

First Name = STEFANO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10525597	Not Issued	41	02/25/2005	Frequency-domain decision feedback equalizing device and method	TOMASIN, STEFANO
10526869	Not Issued	30	03/04/2005	Fliterbank modulation system with pre-equalization	TOMASIN, STEFANO
10842699	Not Issued	71	05/10/2004	Frequency-domain multi-user access interference cancellation and nonlinear equalization in CDMA receivers	TOMASIN, STEFANO
11192503	Not Issued	71	07/29/2005	Channel estimation for interference cancellation	TOMASIN, STEFANO
11192769	Not Issued	93	07/29/2005	TRAFFIC INTERFERENCE CANCELLATION	TOMASIN, STEFANO
11192787	Not Issued	30	07/29/2005	Adaptation of transmit subchannel gains in a system with interference cancellation	TOMASIN, STEFANO
11193546	Not Issued	41	07/29/2005	Joint interference cancellation of pilot, overhead and traffic channels	TOMASIN, STEFANO
60638666	Not Issued	159	12/23/2004	Traffic interference cancellation at the BTS on a CDMA reverse link	TOMASIN, STEFANO

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Last Name = BENVENUTO

First Name = NEVIO

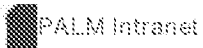
Application#	Patent#	Status	Date Filed	Title	Inventor Name
06816578	4677423	150	01/06/1986	ADPCM CODER-DECODER INCLUDING PARTIAL BAND ENERGY TRANSITION DETECTION	BENVENUTO, NEVIO
06927503	4815137	150	11/06/1986	VOICEBAND SIGNAL CLASSIFICATION	BENVENUTO, NEVIO
06927506	4815136	150	11/06/1986	VOICEBAND SIGNAL CLASSIFICATION	BENVENUTO, NEVIO
07271961	Not Issued	166	11/16/1988	CLASSIFIER FOR HIGH SPEED VOICEBAND DATA SIGNALS	BENVENUTO, NEVIO
07534321	4979211	150	06/05/1990	CLASSIFIER FOR HIGH SPEED VOICEBAND DIGITAL DATA MODEM SIGNALS	BENVENUTO, NEVIO
09571727	Not Issued	161	05/15/2000	Multistandard reception apparatus with cascaded multistage-structured numerical filters	BENVENUTO, NEVIO
10525597	Not Issued	41	02/25/2005	Frequency-domain decision feedback equalizing device and method	BENVENUTO, NEVIO
10526869	Not Issued	30	03/04/2005	Fliterbank modulation system with pre-equalization	BENVENUTO, NEVIO
10810620	Not Issued	161	03/29/2004	Method of bit and power loading in OFDM communication systems with modulation and coding adaptation	BENVENUTO, NEVIO
10842699	Not Issued	71	05/10/2004	Frequency-domain multi-user access interference cancellation and nonlinear equalization in CDMA receivers	BENVENUTO, NEVIO

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